

DEPARTMENT OF INFORMATION TECHNOLOGY

INTRODUCTION

Department of Information Technology was established in the year 1999. The Department offers both B.Tech & M.Tech programmes in Information Technology and Software Engineering respectively. The Department has well- equipped laboratories.

The Department is accredited by NBA in 2006, 2009 and in 2013. In addition to quality teaching, students are exposed to certification courses and workshops with premier organizations like CISCO, ORACLE, IBM and Microsoft along with personality development programs. Online training programs for laboratories are conducted for the students from IITB under “Spoken Tutorials”, MHRD, Govt. of India and Entrepreneurship programs through ISB.

Furthermore, required training is imparted to the interested students to prepare for competitive examinations such as GATE, CAT etc. The gradual increase in the number of participants and competitors for various programs and the growing number of placements reflects the impact of these programs.

The department is strengthened with a total of 31 faculties out of which 6 are Doctorates and 7 are pursuing PhD’s and others with M.Tech degree. The department has organized three International conferences in the area of computing methodologies and many workshops.

Doctorates in IT

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/conferences)
1.	Dr.Y.Vijayalata	2012	24
1.	Dr.Padmalaya Nayak	2011	22
2.	Dr .K.Prasanna Lakshmi	2016	06
3.	Dr. Althaf Hussian Basha	2013	27
4.	Dr. Y.Lalitha Sri	2016	09
5.	Dr N V Ganapahi Raju	2017	16
6.	Dr Y J Nagendra Kumar	2017	
7	Dr.P.Gayathri	2016	11
8	Dr.Ch. Srilatha	2015	07

Research Projects/FDP’s/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1	Dr.Padmalaya Nayak	Minimization of energy consumption in Mobile Wireless Sensor Network by using Fuzzy Clustering algorithm	UGC - SERO	Rs 1,96,000/	2016-18 In progress

2	Mr. N V Ganapathi Raju	Study of Statistical and Feature based methods of Authorship Attribution and Profiling in Indian Context	UGC - SERO	Rs 2,21,300/-	2014-16 Completed
3	Dr. Althaf Hussian Basha	Study of Education patterns in Rural and Urban India using Association Rule Mining	UGC - SERO	Rs 1,29,000/-	2014-16 Completed
4	Dr.Padmalaya Nayak	Modernization of Computer Networks and Mobile Computing Lab using Netsim Simulator and Components	AICTE MODROBS	Rs 8,50,000/	2013 Completed

Refresher/Short–Term Courses /Workshops/Training Programmes/ Extension Lectures/ Seminars/ Conferences Organized

Name of the faculty	Refresher/Short–Term Courses /Workshops/Training Programmes/ Extension Lectures/ Seminars/ Conferences Organized	Name of the Organizers
N. V. Ganapathi Raju	Workshop on “Database design and Programming with SQL”	TASK, ORACLE Academy
N. V. Ganapathi Raju	Workshop on “ Open Source software through TEL”	Spoken Tutorials, IIT Bombay
P Gopala Krishna	Faculty Development Program on Human Values and Professional Ethics	GRIET, Hyd
P Gopala Krishna	A Workshop on Total Quality Management	TEQIP, GRIET
P Gopala Krishna	A Faculty Development program on “ A Guide to a Passionate Teacher”	TEQIP, GRIET
Y. Sri Lalitha	FDP on "Learning Business Intelligence using IBM Cognos" for one week	IBM & GRIET
Y. Sri Lalitha	FDP on "Fundamentals of Big Data using Infosphere Big Insights", for one week	IBM & GRIET
Y. Sri Lalitha	FDP on "Essentials of Big Data Programming using Infosphere Big Insights", for one week	IBM & GRIET
Y. J. Nagendra Kumar	ISTE STTP on “Introduction to Design of Algorithms”	IIT Kharagpur
Dr. Padmalaya Nayak	ISTE STTP on “Computer Networks”	IIT Kanpur
N. V. Ganapathi Raju	Cyber Security	IITB, Bombay

FACULTY AND THEIR PUBLICATIONS:

Name of Faculty:Dr. Y. Vijayalata(ID-619)

Designation:HOD & Professor of IT

Qualifications:Ph.D (CSE)

Experience: 22years

Research Interest:Pattern Recognition

Journal Publications/Conference Proceedings: 26

Certifications:



Journal Publications (2018):

International

1. "Holistic Optimization By Prefetching Query Results", Bodepudi Sai Purna Chand, Y Vijayalata, SK Althaf Hussain Basha, JETIR, ISSN-2349-5162, January 2018

2. Name of Faculty:Dr.Padmalayanayak(ID-713)

Designation: Professor Dept of IT

Qualifications:

Ph.D: (Computer Science and Engineering) (NIT-Tiruchirappali, 2010)

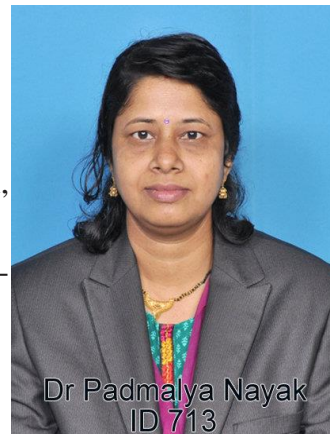
M.Tech: (Computer Science and Engineering) (Univ. of Madras-Chennai, 2002)

Total Experience (Teaching + Research): 19 Years

Teaching Experience: 14Years

Research Interest : Wireless Networks

Journal Publications/Conference Proceedings: 33



Journal Publication (2018): 01

International: Submitted

1. **Padmalaya Nayak**, G. Ramamurthy, "Modified PEGASIS to Optimize the routing technique in Mobile Wireless Sensor Network using Enhanced Fuzzy Logic" Submitted to IEEE SENSOR JOURNAL, Jan 2018

Conference Proceedings (2018): 01

International

1. **Padmalaya Nayak**, Ch. Praneeth, "Monitoring Water Quality: Raspberry Pi and Arduino using Fuzzy Logic" in proceedings of IEEE EECCMC, to be conducted on 28th and 29th January 2018. (IEEE explorer)

Name of Faculty:Dr.Sk Altaf Hussain Basha (ID-634)

Designation: Professor Dept of IT

Qualifications:

Ph.D (CSE) (ANU, Guntur, 2013)



M.Tech (CSE) (JNTU, Hyderabad ,2008)

M.Sc (Computer Science) (ANU, Guntur, 1999)

AMIE , Institute of Engineers, Kolkata, India, 2015

Experience: 17.5 years (Teaching), 1 Year (Industry)

Research Interest: Data Mining and Data warehousing, Data Base Management, Information Retrieval System, Educational Data Mining

Journal Publications/Conference Proceedings: 01

International Journals Publications

•Sk. Altaf Hussain Basha , Bodepudi Sai Purna Chand, Y Vijayalata, ""Holistic Optimization By Prefetching Query Results",JETIR-International Journal of Emerging Technologies and Innovative Research, Volume. 5 , Issue 1, January-2018, Page No: 6-10, ISSN Number: 2349-5162. (Impact Factor: 5.87)

Minor Research Project /Consultancies (UGC Grant Project) Completed:

Project Title: Study of Education Patterns in Rural and Urban India Using Association Rule Mining

Agency: UGC

Reference:

a) F.No:4-4/2013-14(MRP-SEM/UGC-SERO dated 17-03-2014, Proposal Number: 808

b) No.F MRP-4585/14(SERO/UGC) March 2014 UGC Minor Research Project

Duration: 2 years, Cost: Rs. 1, 29,000/-

Name of Faculty: Dr K. Prasanna Lakshmi, (ID-525)

Designation: Professor & Dean FDP

Qualifications:

Ph.D (CSE)—JNTUH, 2016

M.Tech(CSE) – OU, 2012



Experience: 16 years

Research Interest:Data Stream Mining, Big Data, Data Mining, Social Networks, Text Mining, Web Mining

Journal Publications/Conference Proceedings: 1

Books/Book Chapters Published

1. Kompalli, Prasanna Lakshmi. "Knowledge Discovery Using Data Stream Mining: An Analytical Approach." Social Network Analytics for Contemporary Business Organizations. IGI Global, 2018. 231-258. Web. 1 Mar. 2018. doi:10.4018/978-1-5225-5097-6 ISBN: 9781522550976

Name of Faculty: Y. Sri Lalitha (ID - 112)

Designation: Professor of IT

Qualifications:

Ph.D (Computer Science and Engineering) (ANU)

M.Tech(Computer Science and Engineering) (JNTUH)



Experience: 21years

Research Interest: Data Science, Machine Learning, Algorithms

Journal Publications/Conference Proceedings: 11

Books/Book Chapters Published

- “ Theory of Computation”, Spectrum Series Publications

Journal Publications (2017):

International

1. Y.Srilalitha, N V Ganapathi Raju, “Labelling Document Clusters with Thematic Phrases”, Accepted for publishing in IARJSET, July 2017. (UGC approved journal)
2. Y.Srilalitha N V Ganapathi Raju et al., “Authorship Attribution using Unsupervised Clustering Algorithms n English C50 News Articles”, Accepted for publication in International Journal of Computational Intelligence Research(IJCIR), (UGC approved journal in June 2017)
3. Y. Sri Lalitha and Dr. A. Govardhan., “Improved Text Clustering with Neighbors” *International Journal of Data Mining & Knowledge Management Process (IJDKP) Vol.5, No.2, March 2015 pp 23 - 37.*

Name of Faculty: Dr. N V Ganapathi Raju, (ID-118)

Designation: Professor , Dept of IT

Qualifications:

Ph.D (Computer Science and Engineering) (JNTU- Kakinada, 2017)

M.Tech(Computer Science and Technlogy) (Andhra University, 2008),

Experience: 18years

Research Interest: Information Retrieval, Machine Learning, NLP, Data Science

Journal Publications/Conference Proceedings: 17

Certifications:

- 1.**Oracle** Certified Professional Java SE 6 Programmer
2. **Oracle** Certified Professional Java EE 5 Web Component Developer
3. **MTA** in Introduction to Computer Networks

Books/Book Chapters Published

1. “Software Engineering” Hi-Tech Publications, Hyderabad, 2005.
2. “Java Programming ” Hi-Tech Publications, Hyderabad, 2003.
3. Book Chapter titled “Histograms of Term Weight Feature (HTWF) model for Authorship Attribution” on Advanced Engineering by RIP publications, New Delhi 2017.

Research Projects:

1. UGC Minor project completed on “Study of Statistical and Feature based Methods for Authorship Attribution and Authorship Characterization in Indian Context”, MRP-4590/14(SERO/UGC) Dated March 2014, grant of Rs.2,210,300/- .
2. Participated in the Telugu Spell Checker project sponsored by Govt. of Andhra Pradesh in CALTS LABS, Hyderabad Central University during 2011-13.

Journal Publications (2018):

International

- N V Ganapathi Raju, Someswara Rao Chinta, “Region Based Instance Document (RID) Approach Using Compression Features for Authorship Attribution”, Annals of Data Science, Springer Journal, pages 2 to 7, 20 Jan 2018. ISSN 2198-5804 (FREE JOURNAL)



Name of Faculty:Dr. Y.J Nagendra Kumar(ID-390)

Designation: Professor , Dept of IT

Qualifications:

Ph.D (CSE),Acharya Nagarjuna University, Guntur, 2017

M.Tech (CSE), Andhra University, Visakhapatnam, 2005

Experience: 15years

Research Interest:Data Mining

Journal Publications/Conference Proceedings: 8

Certifications:

- NPTEL Online Certification Course on "Programming in C++" with 83% Score
- Microsoft Certified Educator

1. **"GIS-MAP Based Spatial Analysis of Rainfall Data of Andhra Pradesh and Telangana States Using R"**, Y. Jeevan Nagendra Kumar, Dr. T. V. Rajini Kanth, International Journal of Electrical and Computer Engineering (IJECE), Vol 7, No 1, February 2017, Scopus Indexed Journal, ISSN: 2088-8708.



Y. J. Nagendra Kumar
Emp ID : 390

Name of Faculty:P Gopala Krishna,(ID-558)

Designation: Associate Professor ,Dean Publicity & Alumini Affairs Dept of IT

Qualifications:

M.Tech (CSE), Andhra University, Visakhapatnam, 2006

Experience: 14years

Research Interest:Data Mining

Journal Publications/Conference Proceedings: 8

Certifications:

- Microsoft Certified Educator, Certified by Microsoft In Technology Literacy for Educators.
- NPTEL online Certification of IIT Madras in "Digital Ci and Systems" in partnership with NASSCOM and MI Government of India.



International

1. P Gopala Krishna, D Lalitha Bhaskari, "A Review of Clustering Methods and its Challenges in Document Clustering", International Journal of Journal of Emerging Technologies and Innovative Research (JETIR),

2. P Gopala Krishna, et al, "Authorship Profiling in Gender Identification on English editorial documents using Machine Learning Algorithms", International Journal of Engineering Trends and Technology, Special Issue, April 2017, Pg No.127-130, P-ISSN:2349-0918, E-ISSN: 2231-5381

Name of Faculty:G Vijendar Reddy (ID-463)

Designation:Associate Professor , Dept of IT

Qualifications:M.tech (SE),(PhD)

Experience: 12years

Research Interest:Data Mining

Journal Publications/Conference Proceedings: 5

2017:

1. G.Vijendar Reddy, N. Siva Lakshmi "An Efficient Method to Detect Duplicate Data in Databases" "International Journal & Magazine of Engineering, Technology, Management and Research" IJMETMR/MAY 2017 /Volume-4/Issue-4845/ISSN NO: 2348-4845

2. G.Vijendar Reddy, NVG RAJU, P.GOPALA KRISHNA "Authorship Analysis using cluster based classification on English news groups articles" International conference on"contemporary engineering and technology -2017" ICCET /MAR 2017



Name of Faculty: Veena Trivedi(ID-712)

Designation:Associate Professor , Dept of IT

Qualifications: M.E (ComputerEngineering) (Ph.D)

Experience: 22 years

Research Interest: Web Mining, wireless sensor networks

Journal Publications/Conference Proceedings:

Certifications: OCJP, MTA

No. of Publication/Conferences: 4



International publications:

1. Veena Trivedi, A. Srilekha,” topic survey in real time repeated topic find from twitter”,International journal for innovative engineering and management research vol 6 issue 9, oct 2017 ISSN 2456-5083 **IF:3.51**
2. Veena Trivedi,Nasreen Md, “A cooperative Bait Detection scheme to notice cooperative Part attacks”,International Journal of research, vol 4 issue :14 , nov 2017, pg 1167-1175 e-ISSN: 2348-6848 **IF:5.6**

Conference Publication(2017):

1. Veena trivedi. Preethi V,”Depictive analysis of MANETs under black hole attack”,International conference on current trends in computer,electrical, electronics and communication, Mysore,8-9 Sept 2017, IEEE
2. Dr. Padmalaya Nayak, Uma Suseela , Veena Trivedi,”A Review on DoS Attack for WSN: Defense and Detection Mechanism”, International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS),1-2 Aug 2017

Name of Faculty:Dr.P Gayathri (ID-1487)

Designation:Associate Professor of IT

Qualifications:Ph.D (CSE)

Experience: 12years

Research Interest: Data Mining, Computer Networks

Journal Publications/Conference Proceedings: 15

Journal Publications (2017):

International

1. “A survey on Federation of Cloud Computing and Supporting Protocols” , International Journal of Soft Computing Volume 11, Issue 5.Scopus Indexed. Impact Factor 1.13.
2. “Hybrid Cryptography for Random-key Generation based on ECC Algorithm” ,International Journal of Electrical and Computer Engineering (IJECE) Vol. 7, No. 3, June 2017, pp. 1293~1298. Scopus Indexed.
3. “Implementing Task and Resource allocation algorithm based on non-cooperative Game theory in Cloud Computing”, International journal of Advanced Research in Computer Science, Volume 9 ,No 1, Jan-Feb 2018, ISSN 0976-5697.



Name of Faculty:Dr.S V Appaji (ID-808)

Designation:Associate Professor , Dept of IT

Qualifications:

Ph.D (Computer Science and Engineering) (JNTU- Hyderabad, 2018)

M.Tech(Computer Science and Engineering) (SRKR Engineering College, Bhimavaram, 2008),



Experience: 10years

Research Interest: Cryptography and Network security, Object oriented Analysis and Design, Big data

Journal Publications/Conference Proceedings:

Certifications:

- Microsoft (MTA) Fundamentals of Computer Networks,
- NPTEL Object oriented analysis and design
- Certification on “**High Impact Teaching Skills**” by Dale Carnegie & Associates Inc. Trainers (USA), Mission 10x, Wipro Technologies

International

•Sangpau Venkata Appaji, Dr. Gomatam V S Achryulu, " Image Encryption Using Enhanced Four stage Encrytpion", Journal of Theoretical and Applied Information Technology, Scopus Indexed, December, Vol. No (23), 2017, PP. 6523-6534.

•Sangapu Venkata Appaji, Dr. Gomatam V S Acharyulu, " Enhanced Four stage encryption", International journal of Control theory and Applications", Vol. 10(11), 2017, PP. 57-63.

Name of Faculty: Nazia Tabassum (ID-1162)

Designation:Assistant Professor Dept of IT

Qualifications:

(Ph.D) (Computer Science and Engineering) (Osmania University, Hyderabad)

M.Tech(Software Engineering) (GRIET, Affiliated to JNTUH),

Experience: 5years

Research Interest: Computer Networks, IOT, Cloud & Fog Computing



- Certifications:**
1. CCNA Routing & Switching
 2. Microsoft Certified Educator
 3. Microsoft Technology Associate : Networking Fundamental

Journal Publications :

International

1. Arifa Tehseen Ara, **Nazia Tabassum**, “**A Study on Practice of Big Data in Cloud Computing Environment**” , International Journal of Advances in Soft Computing Technology (IJASCT), Volume 7, Special Issue of NCRTBDACC-2017, ISSN: 2229-3515 (Acceptance Received).

Conference Proceedings:

National

- Arifa Tehseen Ara, **Nazia Tabassum**, “**A Study on Practice of Big Data in Cloud Computing Environment**” , National Conference on Recent Trends in Big Data Analytics and Cloud Computing January 4-5th, 2017, VJIT, Hyderabad.